What is claimed is:

- 1. An optical glass wherein an amount of change in refractive index (Δn : difference in refractive index between a state before radiation and a state after radiation) caused by radiation of laser beam at wavelength of 351nm having average output power of 0.43W, pulse repetition rate of 5kHz and pulse width of 400ns for one hour is 5 ppm or below..
- 2. An optical glass as defined in claim 1 comprising a fluorine ingredient and/or a titanium oxide ingredient and/or an arsenic oxide ingredient.
- 3. An optical glass as defined in claim 2 comprising, in mass %, a total amount of 0.1 45% of F in one or more fluorides as the fluorine ingredient and/or 0.001 0.5% of TiO_2 as the titanium oxide ingredient and/or 0.001 1% of As_2O_3 as the arsenic oxide ingredient.
- 4. An optical glass as defined in claim 3 comprising, in mass %,

S_1O_2	40 - 70%
PbO	14 - 50%
Na ₂ O and/or K ₂ O in the total am	nount of 8 - 17%
where	
Na_2O	0 - 14%
and	
K_2O	0 - 15%
B_2O_3	0 - 5%
As_2O_3	0 · 1%
$\mathrm{Sb_2O_3}$	0 - 1%
TiO_{2}	0 - 0.2% and

fluoride or fluorides substituting for the above oxide or oxides partially or entirely, a total amount of F contained in the fluoride or fluorides being 0 - 2%.

5. An optical glass as defined in claim 3 comprising, in mass %,

m op	
SiO_2	30 - 70%
$\mathrm{B_2O_3}$	3 - 20%
$\mathrm{Al}_2\mathrm{O}_3$	0 - 6%
Li_2O	0 - 5%
	the total amount of 10 - 45%
where	
Na_2O	0 - 13%
$ m K_2O$	0 - 12%
BaO	0 - 42%
and	
ZnO	0 - 7%
PbO	0 - 2%
TiO_2	0 - 0.5%
As_2O_3	0 · 1%
$\mathrm{Sb_2O_3}$	0 - 1% and
2-3	

fluoride or fluorides substituting for the above oxide or oxides partially or entirely, a total amount of F contained in the fluoride or fluorides being 0 - 11%.

6. An optical glass as defined in claim 4 comprising, in mass %,

Li ₂ O	0 - 25	%
CaO	0 - 29	%
SrO	0 - 2%	6
BaO	0 - 5	%

0 · 2% Al_2O_3

the total amount of one or more of the Li₂O, CaO, SrO, BaO and Al₂O₃ ingredients being 5% or below.

7. An optical glass as defined in claim 5 comprising, in mass %,

0 - 2% CaO 2% 0 -SrO0 -2% ZrO_2

the total amount of one or more of the CaO, SrO and ZrO2 ingredients being 2% or below.

8. An optical glass as defined in claim 3 comprising, mass %,

4 - 39% P_2O_5 0 - 9% Al_2O_3 0 - 5% MgO 0 - 6% CaO 0 - 9% SrO0 - 10% BaO $Y_2O_3 + La_2O_3 + Gd_2O_3 + Yb_2O_3$ in the total amount of 0 - 20%

Where

0 - 10% Y_2O_3 0 - 10% La₂O₃0 -20% Gd_2O_3 and $0 \cdot 10\%$ Yb_2O_3 0.0.1% TiO_2 0 - 1% SnO_2

0.0.5% As_2O_3

0 - 0.5% Sb_2O_3

AlF_3	0 - 29%
MgF_2	0 - 8%
CaF_2	0 - 27%
SrF_2	0 - 27%
BaF_2	10 - 47%
YF_3	0 - 10%
LaF_3	0 -10%
GdF_3	0 -10%
LiF	0 - 3%
NaF	0 - 1%
KF	0 - 1%

the total amount of F in one or more of the fluorides being 10 \cdot 45% and the total amount of one or more of MgF₂, CaF₂, SrF₂ and BaF₂ being 30 \cdot 70%.